

1/11

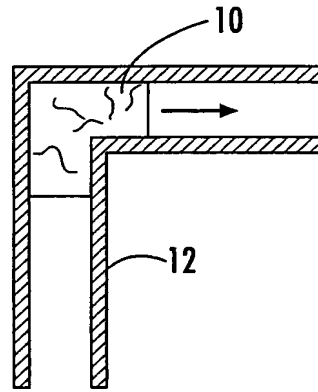


FIG. 1.

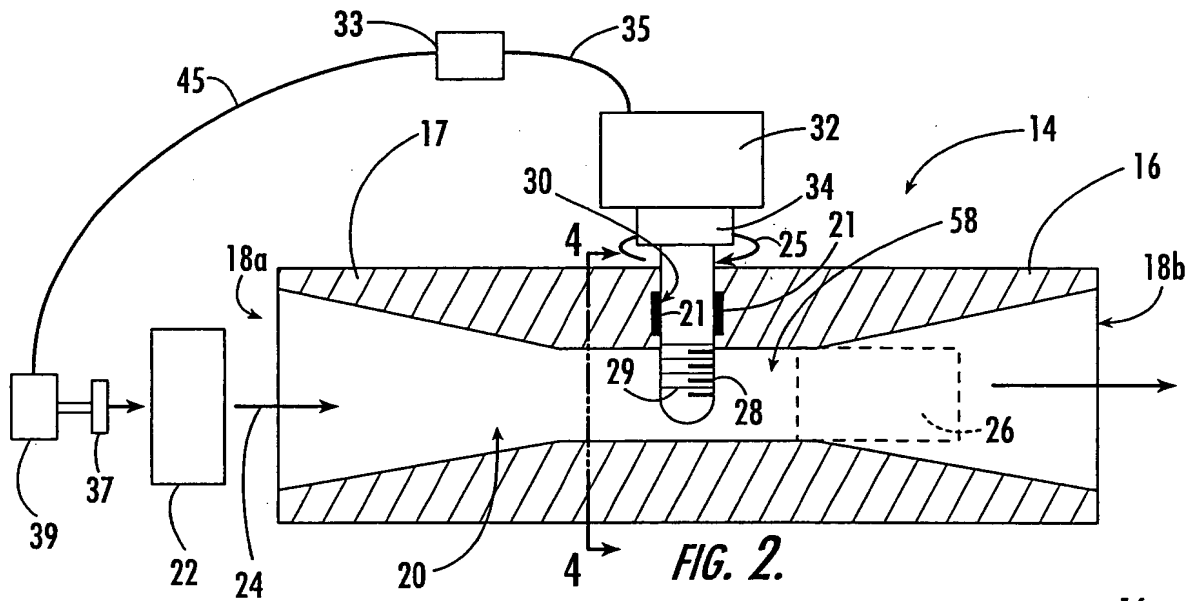


FIG. 2.

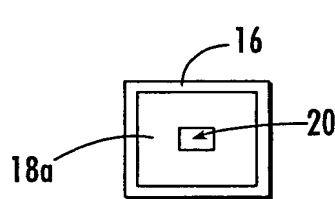


FIG. 3A.

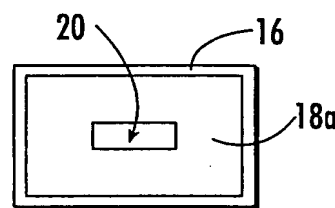


FIG. 3B.

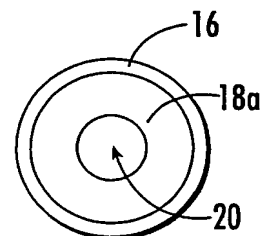


FIG. 3C.

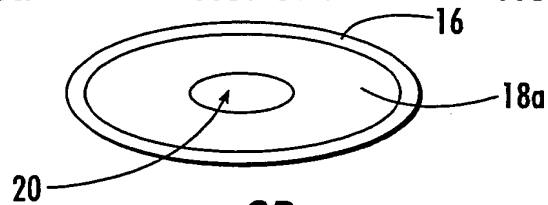


FIG. 3D.

Title: METHOD AND APPARATUS FOR PRODUCING A REFINED
GRAIN STRUCTURE

Inventor(s): Edward Litwinski

Application No: To be assigned

Atty Dkt No: 038190.265125

2/11

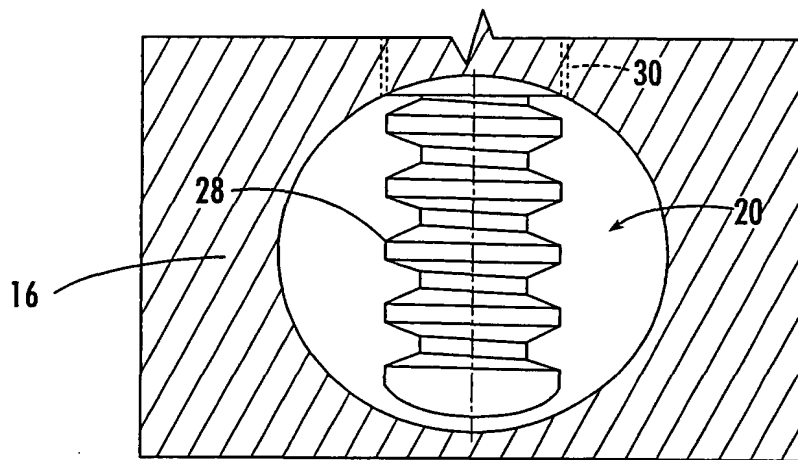


FIG. 4.

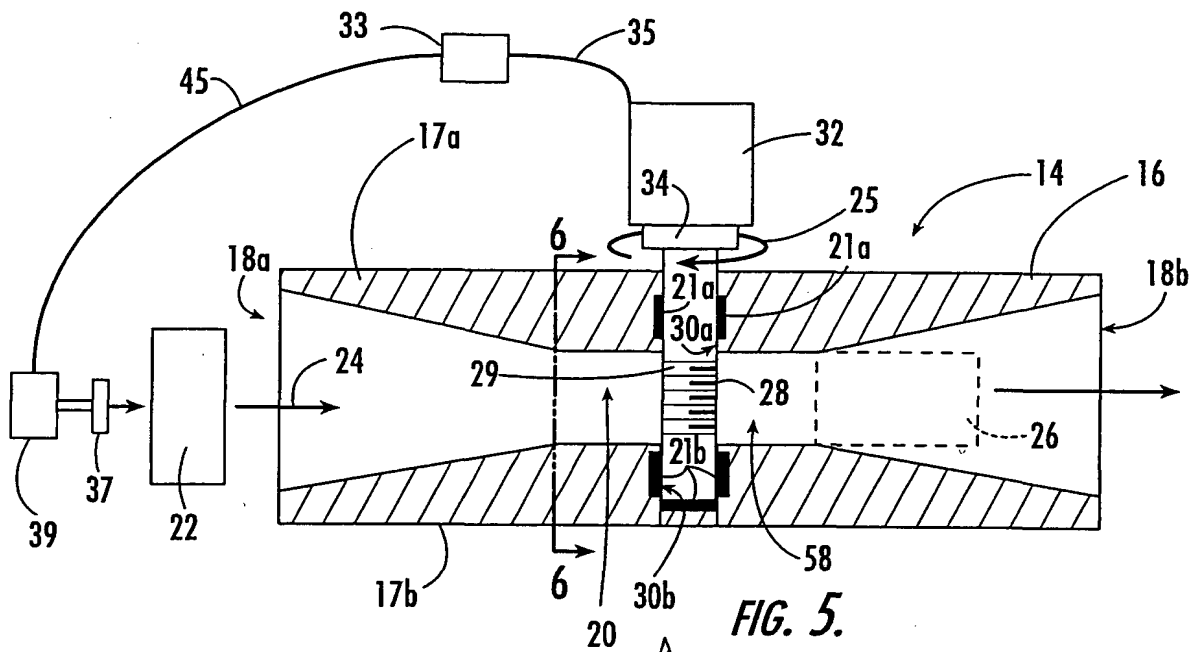


FIG. 5.

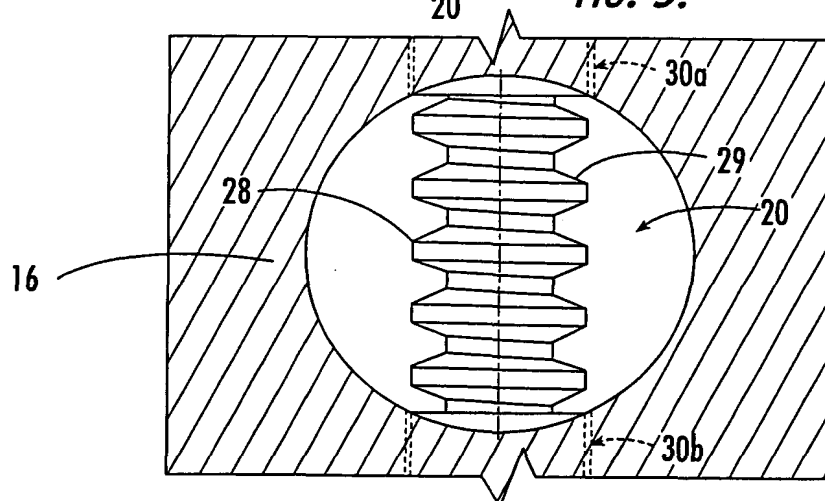


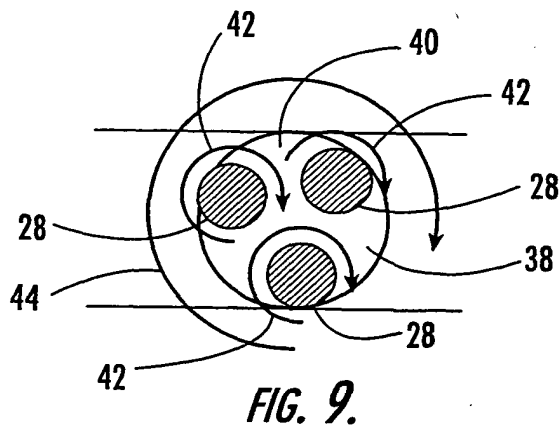
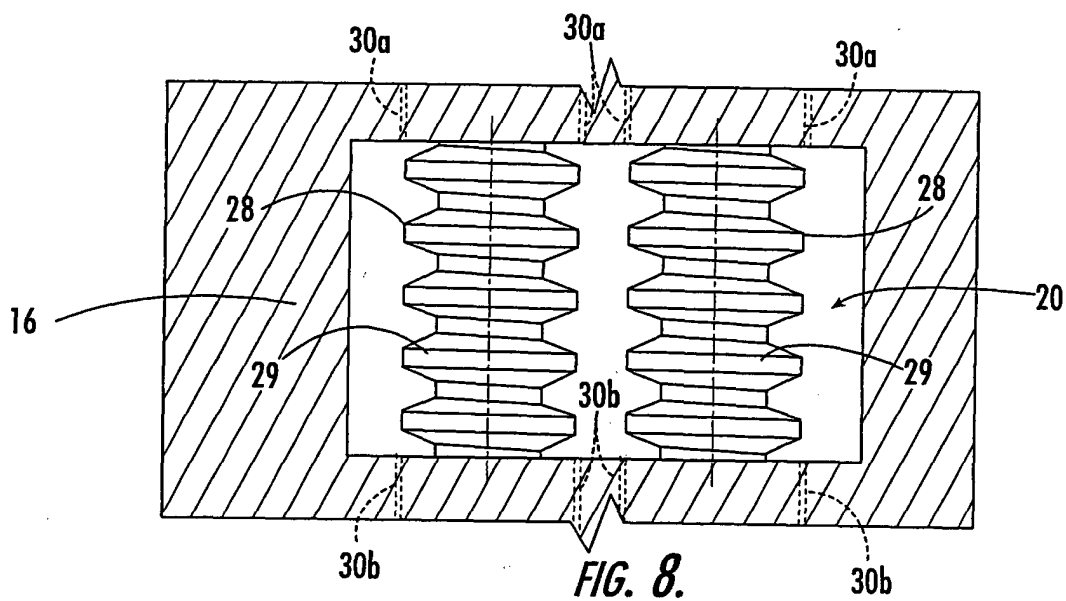
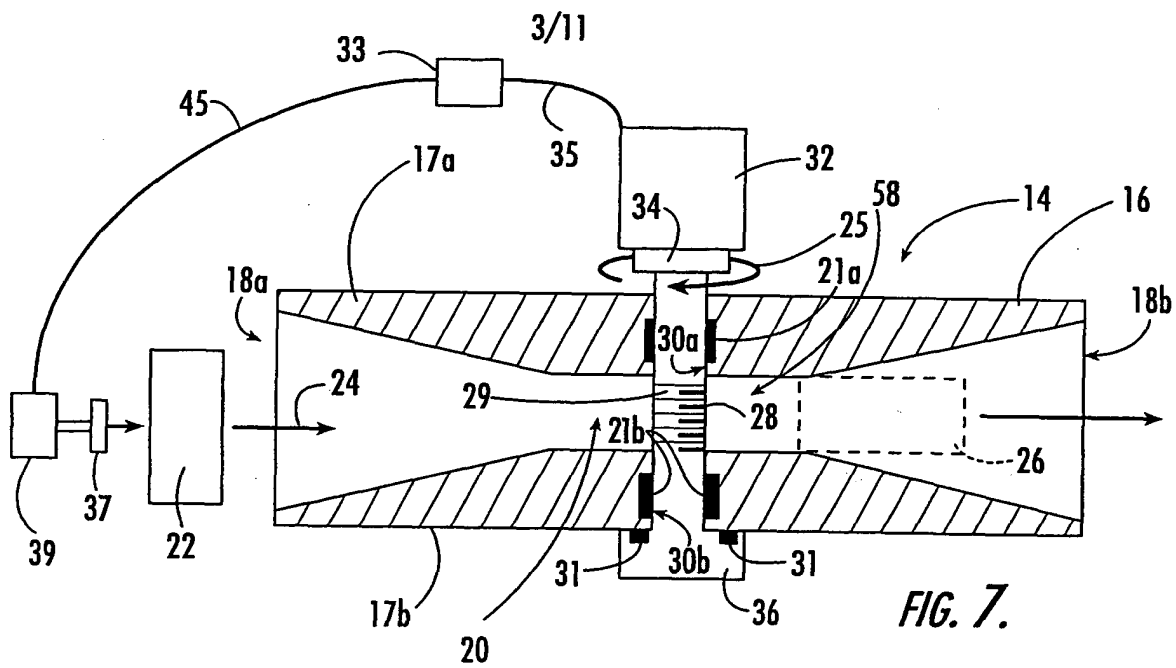
FIG. 6.

Title: METHOD AND APPARATUS FOR PRODUCING A REFINED
GRAIN STRUCTURE

Inventor(s): Edward Litwinski

Application No: To be assigned

Atty Dkt No: 038190.265125



4/11

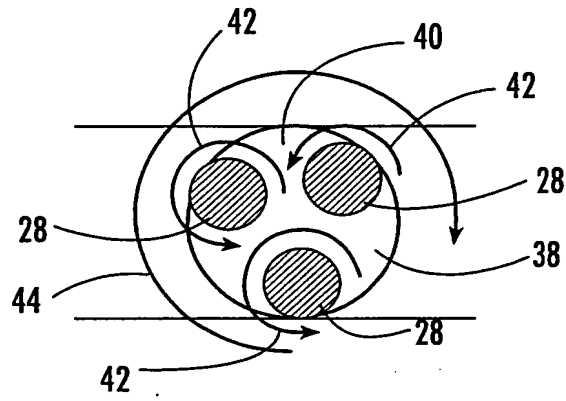


FIG. 10.

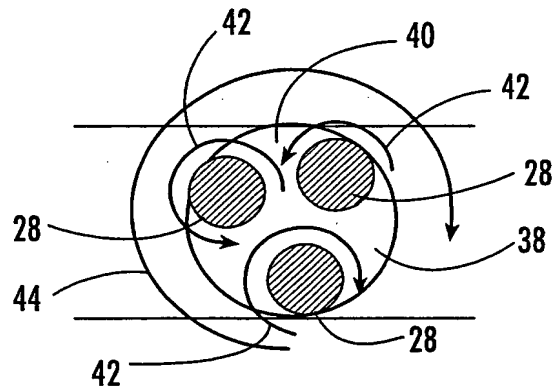


FIG. 11.

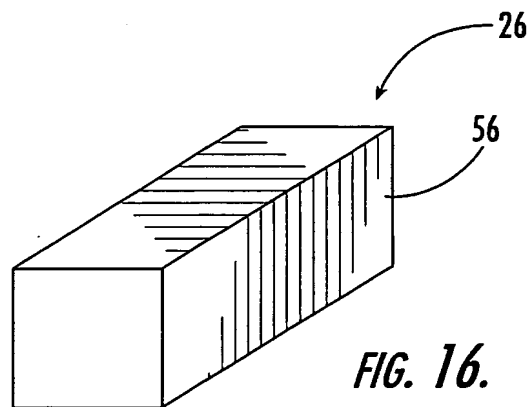


FIG. 16.

5/11

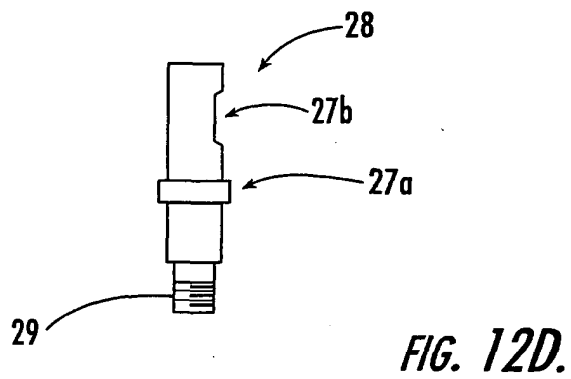
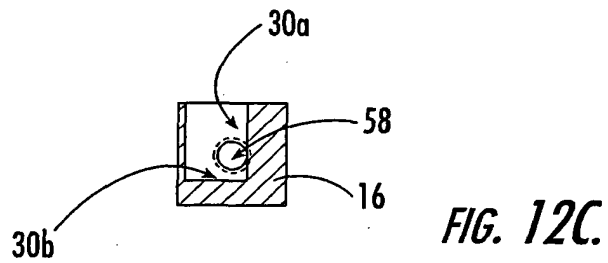
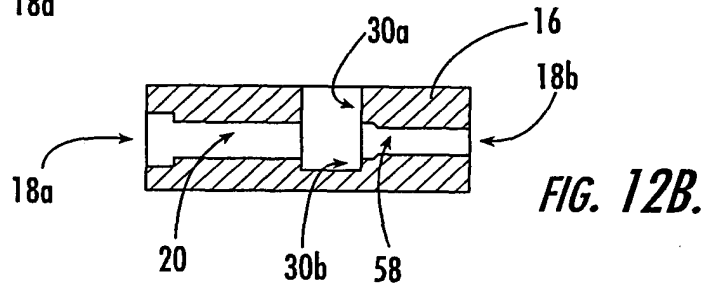
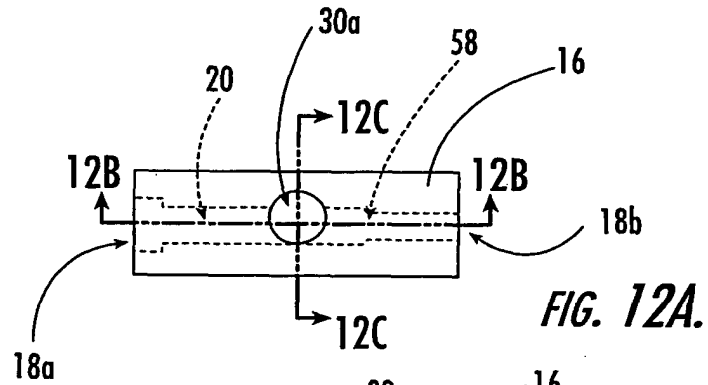


FIG. 13A.

FIG. 13A.

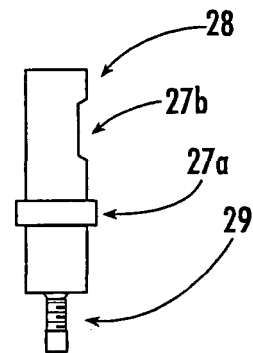


FIG. 13C.

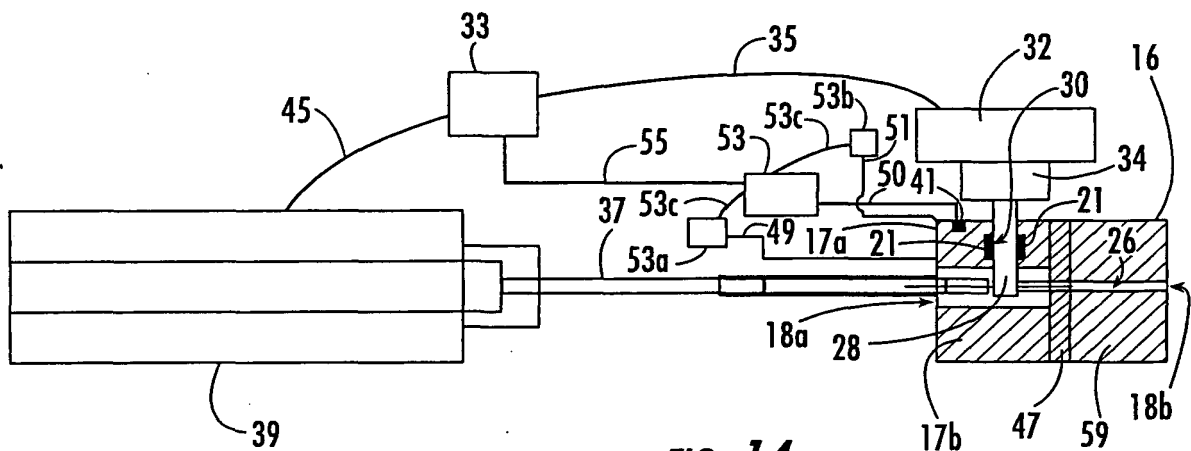


FIG. 14.

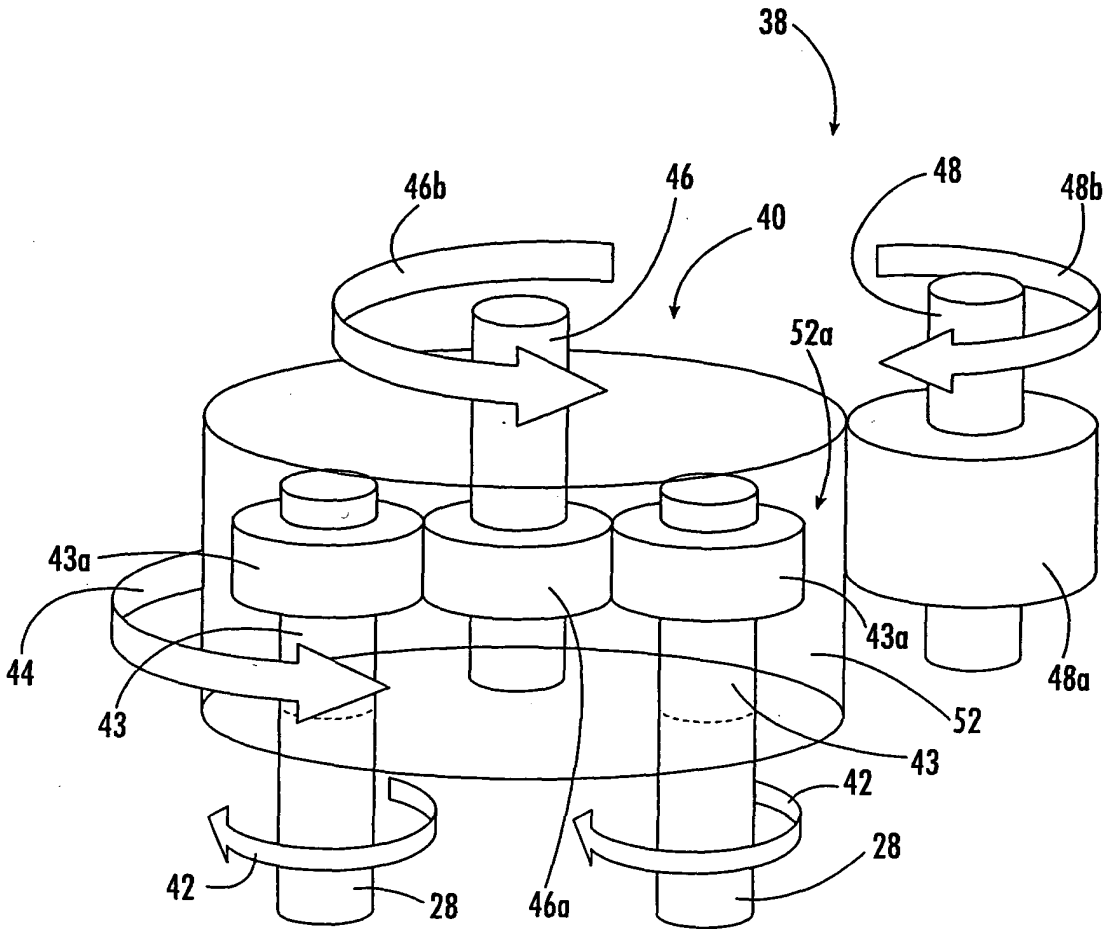


FIG. 15.

Title: METHOD AND APPARATUS FOR PRODUCING A REFINED
GRAIN STRUCTURE
Inventor(s): Edward Litwinski
Application No: To be assigned
Atty Dkt No: 038190.265125

8/11

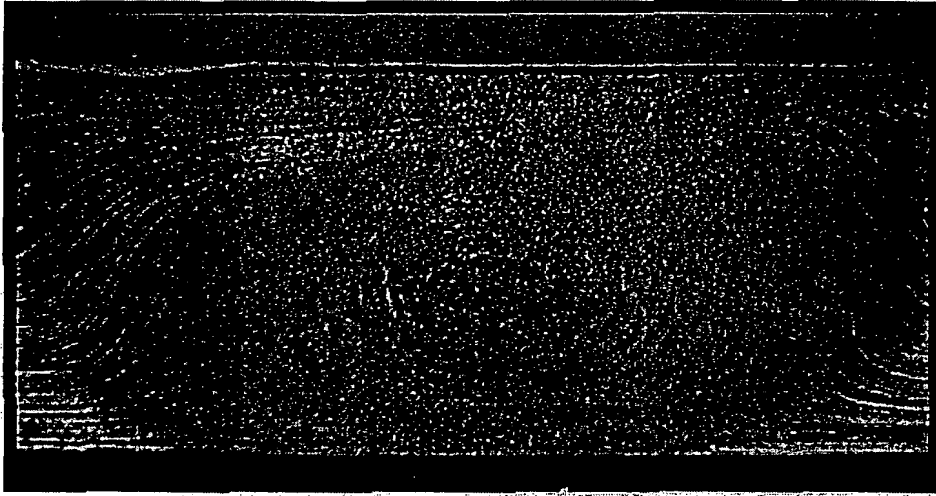


FIG. 17.

9/11

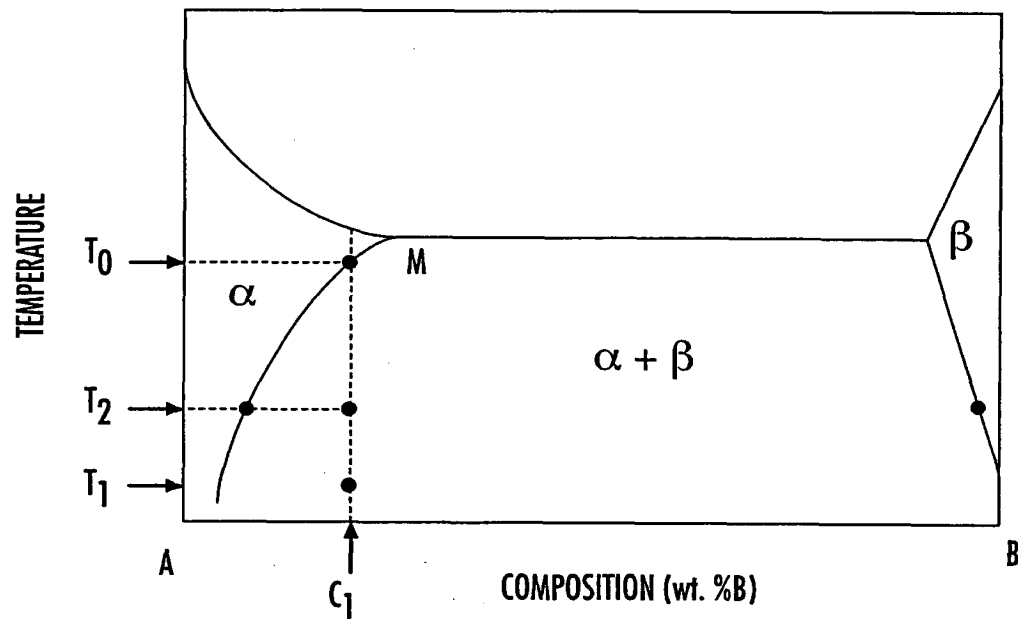


FIG. 18A.

Title: METHOD AND APPARATUS FOR PRODUCING A REFINED
GRAIN STRUCTURE

Inventor(s): Edward Litwinski

Application No: To be assigned

Atty Dkt No: 038190.265125

10/11

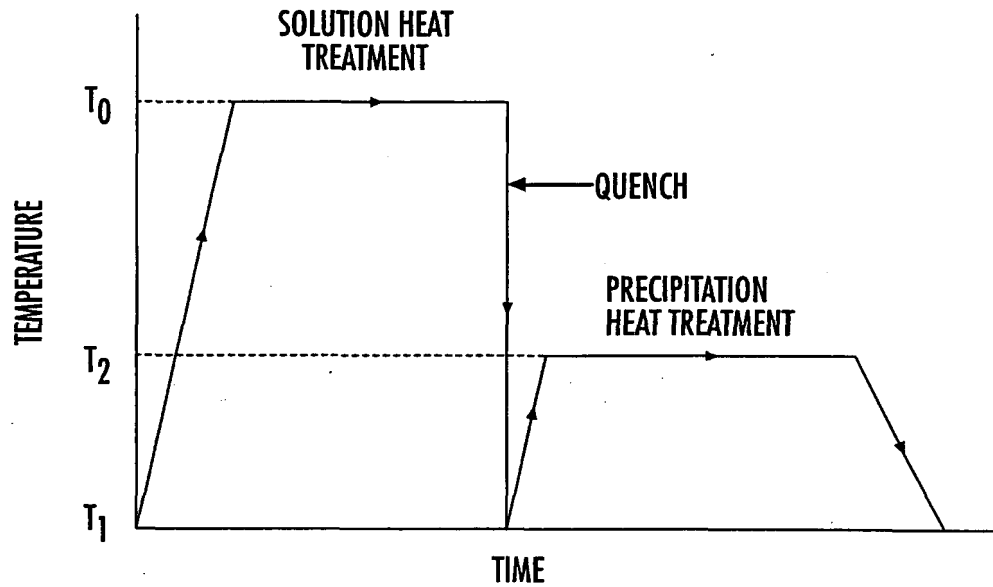


FIG. 18B.

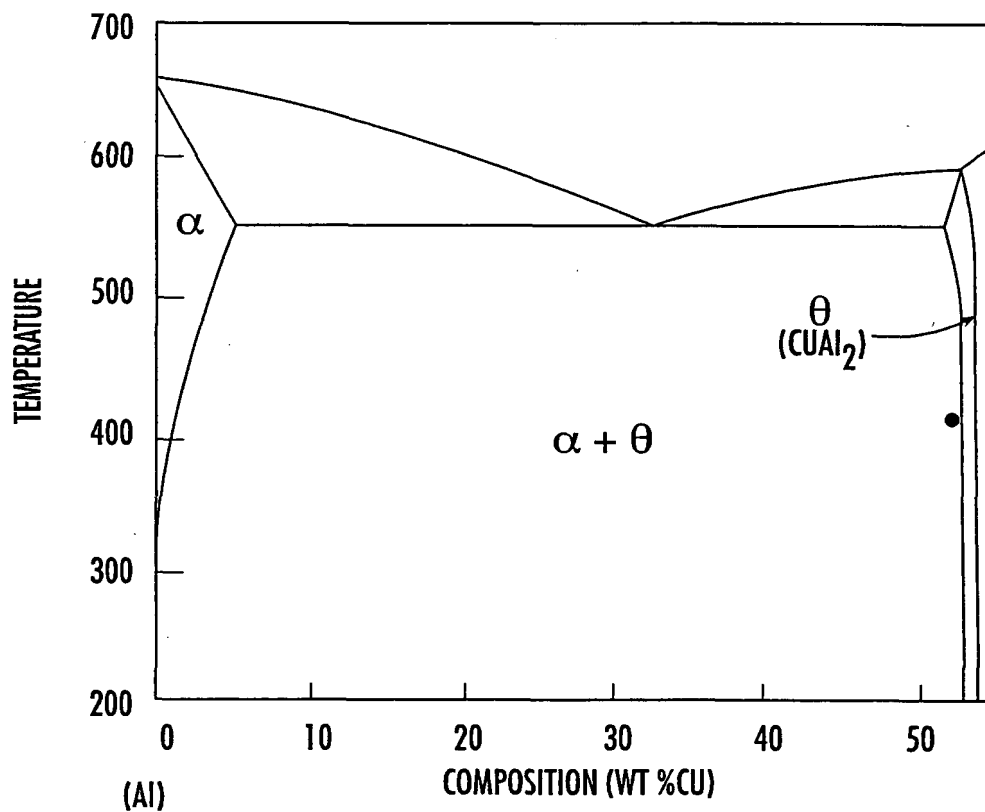


FIG. 18C.

11/11

FIG. 19.

